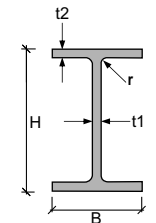
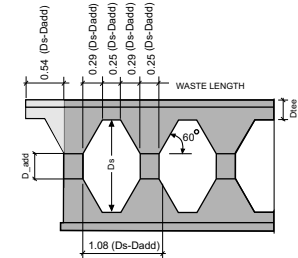
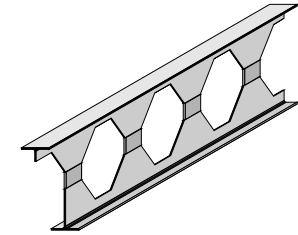




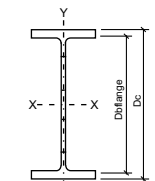
HEAD OFFICE & FACTORY
Jl. Imam Bonjol 4, Warung Bongkok,
Sukadana, Cikarang Barat,
Bekasi 17520, West Java, INDONESIA
Sales Department
Phone DID : (62-21) 898 38 161 - 167
Phone Flexy :
(021) 7085 3164 - 165
(021) 7085 3169
Fax : (62-21) 8910 - 7711,
(62-21) 8900-555 / 976 / 977
e-mail : pjl01@grdsteel.com
pjl02@grdsteel.com

METRIC SIZE

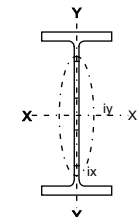
SECTIONAL INDEX		WEIGHT	DEPTH OF SECTION		WIDTH OF SECTION	THICKNESS		CORNER RADIUS	DEPTH OF ADDED PLATE	DEPTH OF CASTEL-LATED HOLE	DEPTH OF CASTEL-LATED TEE	DEPTH BETWEEN FLANGES	SECTION AREA		MOMENT OF INERTIA		RADIUS OF GYRATION		MODULUS OF SECTION	
			Original	Castellated		Web	Flange						Max	Min						
			H	Dc																
Original	Castellated	kg/m	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm ²	cm ²	cm ⁴	cm ⁴	cm	cm	cm ³	cm ³
mm	mm		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm ²	cm ²	cm ⁴	cm ⁴	cm	cm	cm ³	cm ³
100 X 100	200 x 100	18.55	100	200	100	6	8	10	50	156	22.0	184	27.90	18.54	1712	134	9.61	2.69	171.2	26.8
150 X 75	300 x 75	15.50	150	300	75	5	7	8	75	231	34.5	286	25.35	13.80	3022	49	14.80	1.88	201.5	13.1
150 X 150	300 x 150	33.60	150	300	150	7	10	11	75	231	34.5	280	50.64	34.47	7308	563	14.56	4.04	487.2	75.1
200 X 100	400 x 100	23.50	200	400	100	5.5	8	11	100	306	47.0	384	38.16	21.33	8216	134	19.63	2.51	410.8	26.8
	396 x 99	19.90	198	396	99	4.5	7	11	99	303	46.5	382	32.09	18.46	6917	114	19.36	2.49	349.3	23.0
200 X 200	400 x 200	53.00	200	400	200	8	12	13	100	306	47.0	376	79.53	55.05	20867	1600	19.47	5.39	1043.4	160.0
250 X 125	500 x 125	32.50	250	500	125	6	9	12	125	381	59.5	482	52.66	29.80	18055	294	24.61	3.14	722.2	47.0
	496 x 124	28.10	248	496	124	5	8	12	124	378	59.0	480	45.08	26.18	15523	255	24.35	3.12	625.9	41.1
250 X 250	500 x 250	76.80	250	500	250	9	14	16	125	381	59.5	472	114.68	80.39	47611	3650	24.34	6.74	1904.4	292.0
300 X 150	600 x 150	40.50	300	600	150	6.5	9	13	150	456	72.0	582	66.28	36.64	32198	508	29.64	3.72	1073.3	67.7
	596 x 149	35.20	298	596	149	5.5	8	13	149	453	71.5	580	57.19	32.28	27846	442	29.37	3.70	934.4	59.3
300 X 300	600 x 300	99.90	300	600	300	10	15	18	150	456	72.0	570	149.80	104.20	89361	6751	29.28	8.05	2978.7	450.1
350 X 175	700 x 175	54.40	350	700	175	7	11	14	175	531	84.5	678	87.64	50.47	60394	984	34.59	4.42	1725.5	112.5
	692 x 174	45.40	346	692	174	6	9	14	173	525	83.5	674	73.44	41.94	48949	792	34.16	4.35	1414.7	91.0
350 X 350	700 x 350	141.62	350	700	350	12	19	20	175	531	84.5	662	215.90	152.18	177408	13602	34.14	9.45	5068.8	777.3
400 X 200	800 x 200	72.30	400	800	200	8	13	16	200	606	97.0	774	116.12	67.64	105531	1740	39.50	5.07	2638.3	174.0
	792 x 199	62.10	396	792	199	7	11	16	198	600	96.0	770	99.88	57.88	88376	1450	39.08	5.01	2231.7	145.7
450 X 200	900 x 200	83.90	450	900	200	9	14	18	225	681	109.5	872	137.26	75.97	150151	1871	44.46	4.96	3336.7	187.1
500 X 200	1000 x 200	99.50	500	1000	200	10	16	20	250	756	122.0	968	164.20	88.60	216055	2141	49.38	4.92	4321.1	214.1
600 X 200	1200 x 200	118.50	600	1200	200	11	17	22	300	906	147.0	1166	200.40	100.74	355610	2282	59.41	4.76	5926.8	228.2
588 X 300	1176 x 300	165.00	588	1176	300	12	20	28	294	888	144.0	1136	263.06	156.50	519725	9023	57.63	7.59	8838.9	601.5
400 X 400	800 x 400	177.50	400	800	400	13	21	22	200	606	97.0	758	270.70	191.92	292713	22403	39.05	10.80	7317.8	1120.2
700 X 300	1400 x 300	191.10	700	1400	300	13	24	28	350	1056	172.0	1352	326.50	189.22	898606	10805	68.91	7.56	12837.2	720.3
800 X 300	1600 x 300	218.00	800	1600	300	14	26	28	400	1206	197.0	1548	379.40	210.56	1317191	11707	79.09	7.46	16464.9	780.5



ORIGINAL SECTION



CASTELLATED SECTION



DIMENSIONAL TOLERANCE

Flange width (B) (mm)	Depth (Dc) (mm)			Depth of cell form hole (Ds) (mm)
	Under 400	400 - 600	600& over	
+ 3.0	+ 4.0	+ 5.0	+ 6.0	+ 3.0

CHEMICAL COMPOSITION

GRADE	Chemical Composition (%)				
	C	Si	Mn	P	S
SS 400	-	-	-	0.05 max	0.05 max

MECHANICAL PROPERTIES

Classification	Yield Point N / mm ² Thickness (mm)		Tensile Strength N / mm ²	Elongation % Thickness (mm)		
	16 or Under	Over 16		5 or Under	5 to 16	Over 16
JIS G 3101 SS 400	245	235	400 - 510	21	17	21

WELDING

- As per AWS
- Welding material: E 6013